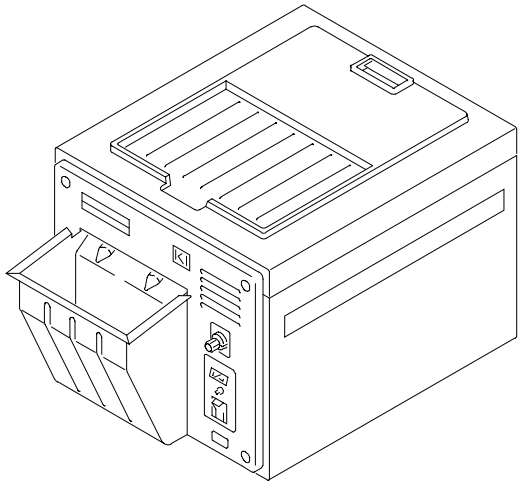
Publication No. 981799
09JUL98
Supersedes 981799
16OCT97

OPERATOR'S MANUAL
for the
Kodak M35M *X-Omat* PROCESSOR
Kodak M35A-M *X-Omat* PROCESSOR



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HEALTH IMAGING

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Warning

To avoid hazardous conditions, keep floors and floor coverings around your *Kodak X-Omat* PROCESSOR and associated drains clean and dry at all times. Any accumulation of fluids from mixing tanks, drain lines, etc., should be cleaned up immediately. In the event of an accumulation of liquid due to backup, overflow, or other malfunctions of the drain associated with your *Kodak X-Omat* PROCESSOR, call a plumber or other contractor to correct any problem with the drain. Kodak accepts no responsibility or liability whatsoever for the serviceability of any drain connected to or associated with a *Kodak X-Omat* PROCESSOR. Such drains are the sole responsibility of the customer.

Table of Contents

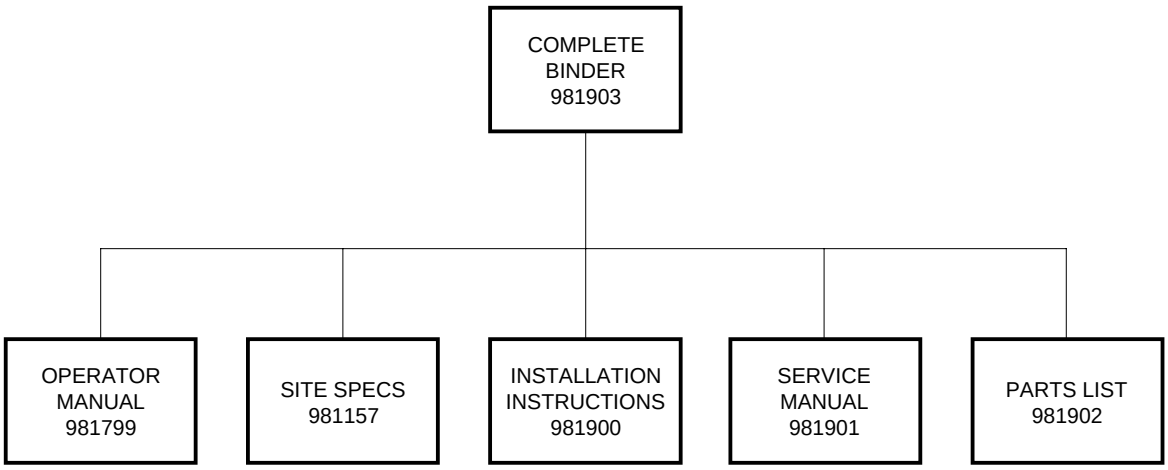
Description	Page
Overview	3
Publication Part Numbers	3
Description	3
Features	4
Processing Modes	4
Processing Film	5
Start-Up	5
Feeding Sheet Film	7
Shutdown	8
Processing Solutions	9
Preparation	9
Draining the Tanks	10
Filling the Tanks	11
Replenishment	12
Checking the Replenishment Flow Rates, If the PROCESSOR Has Been Set for "High Volume"	12
Adjusting the Replenishment Pump	12
Correcting Difficulties	14
Cleanup and Periodic Maintenance	17
Daily	17
Every Two Weeks	18
For Low-Volume Operations	20
For High-Volume Operations	20
New Equipment Warranty	21

Section 1: Overview

Publication Part Numbers

This publication is part of a series of instruction books that provides technical support information on the *Kodak* M35M and M35A-M *X-Omat* PROCESSOR. It is recommended that these publications be kept in the binder provided. If an individual book is misplaced or destroyed, order another copy from your Eastman Kodak Representative using the Publication Part Numbers below.

Figure 1 **Related Publications for the M35-M and M35A-M PROCESSORS**



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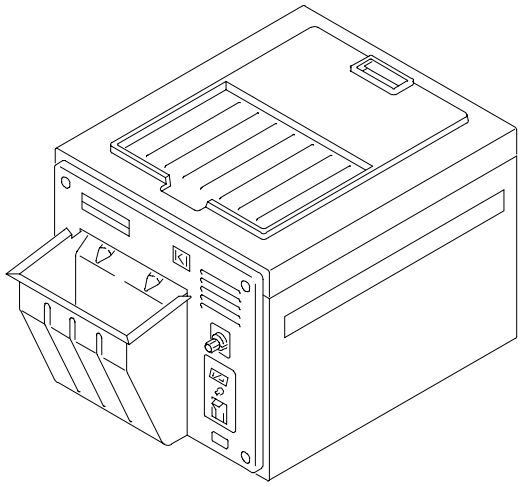

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Description

The *Kodak* M35M and M35A-M *X-Omat* PROCESSORS are designed to process medical x-ray sheet film used for mammography. This self-threading roller transport system has a film-length detection system, a replenishment system, a developer solution filter, a recirculation system for the developer and fixer solutions, and an automatic standby feature.

Features

- Single-switch control of the processing speed and developer temperature. The operator simply lifts the Top Cover and selects the desired mode.
- Digital Temperature Display on the receiving end of the PROCESSOR. With the Digital Temperature Display, the operator can easily verify that the developer temperature has reached its optimum range.
- A Mode Indicator Light on the feed end of the PROCESSOR. When this indicator is lit, the operator in the dark room can tell that the PROCESSOR is in the Extended Mode.
- A film feed signal, which sounds 3 seconds after the film being processed has cleared the Detector Crossover Rollers. This indicates that the PROCESSOR is ready to accept another sheet of film.
- The PROCESSOR is set at the factory for Flooded Replenishment.

Processing Modes

Extended:

Use the Extended Mode for mammography films that the manufacturer has specified are suitable for extended cycle processing. The transport speed for this mode is 19½ inches per minute or 3 minutes and 23 seconds drop time (dry to dry) for a 24 cm sheet of film. The developer temperature is 35˚C ±0.3˚C (95.0˚F ±0.5˚F). Development time is approximately 49 seconds and is based on using *Kodak Min-R E* FILM.

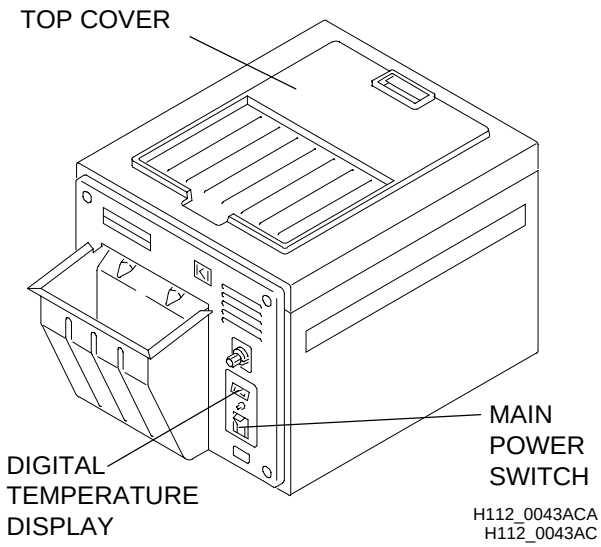
Standard:

The Standard Mode is suitable for all mammography films. The transport speed for this mode is 30 inches per minute or 2 minutes and 15 seconds drop time (dry to dry) for a 24 cm sheet of film. The developer temperature is 33.3˚C ±0.3˚C (92.0˚F ±0.5˚F). Development time is approximately 33 seconds and is based on using *Kodak Min-R M* FILM.

Section 2: Processing Film

Start-Up

Figure 2 **Main Power Switch**



Warning

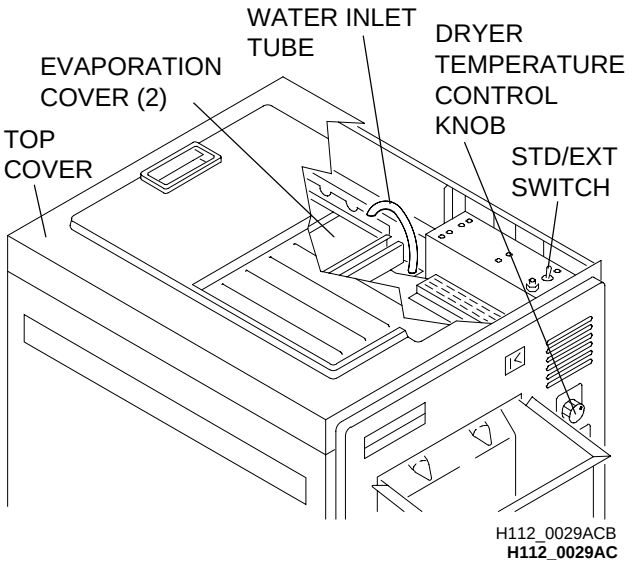
Keep fingers, clothing, cleaning materials, etc., away from the moving parts of the PROCESSOR.

[1] Turn on:

- water supply
- Main Power Switch

[2] Remove the Top Cover.

Figure 3 **Water Inlet Tube for the Wash Tank**



[3] Check:

(a) the following are seated correctly. See Figure 4 on the next page.

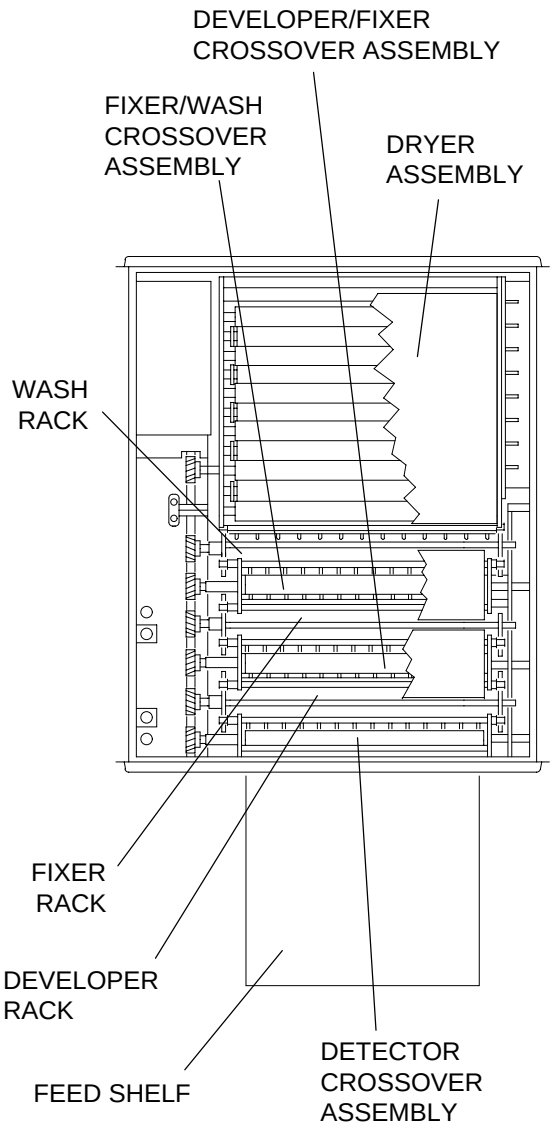
- Developer Rack
- Fixer Rack
- Wash Rack
- Fixer/Wash Crossover Assembly
- Developer/Fixer Crossover Assembly
- Detector Crossover Assembly
- Dryer Assembly

(b) the developer, fixer, and wash solutions are at the overflow level of the Weirs.

(c) water is flowing from the Water Inlet Tube of the Wash Tank.

(d) the Evaporation Covers are installed.

Figure 4 **Racks and Crossovers**



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[4] Move the STD/EXT Switch to select the desired processing mode: (See Figure 5 below.)
"STD" for Standard Mode or
"EXT" for Extended Mode

Important

- The Mode Indicator will light up when the Extended Mode is selected.
- When changing the mode selection from Extended to Standard, set the Dryer Temperature Control Knob to "O" and lift the Top Cover for venting. The developer will adjust to the correct processing temperature in approximately 20 minutes.

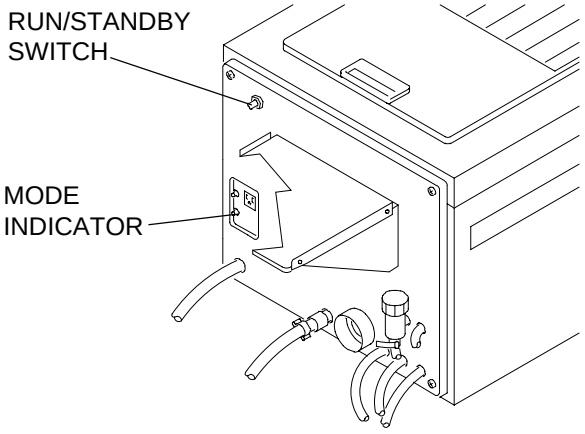
[5] Install the Top Cover.

[6] Press the Run/Standby Switch.

[7] Feed a sheet of *Kodak* ROLLER TRANSPORT CLEANUP FILM, CAT No. 122 4310, into the PROCESSOR when the Digital Temperature Display indicates the correct developer temperature for the mode selected. The recommended temperature is:
Standard: 33.3˚C ±0.3˚C (92.0˚F ±0.5˚F)
Extended: 35˚C ±0.3˚C (95˚F ±0.5˚F)

[8] Adjust the Dryer Temperature Control Knob to the lowest setting to dry the film. See Figure 3.

Figure 5 **Mode Indicator and Run/Standby Switch**



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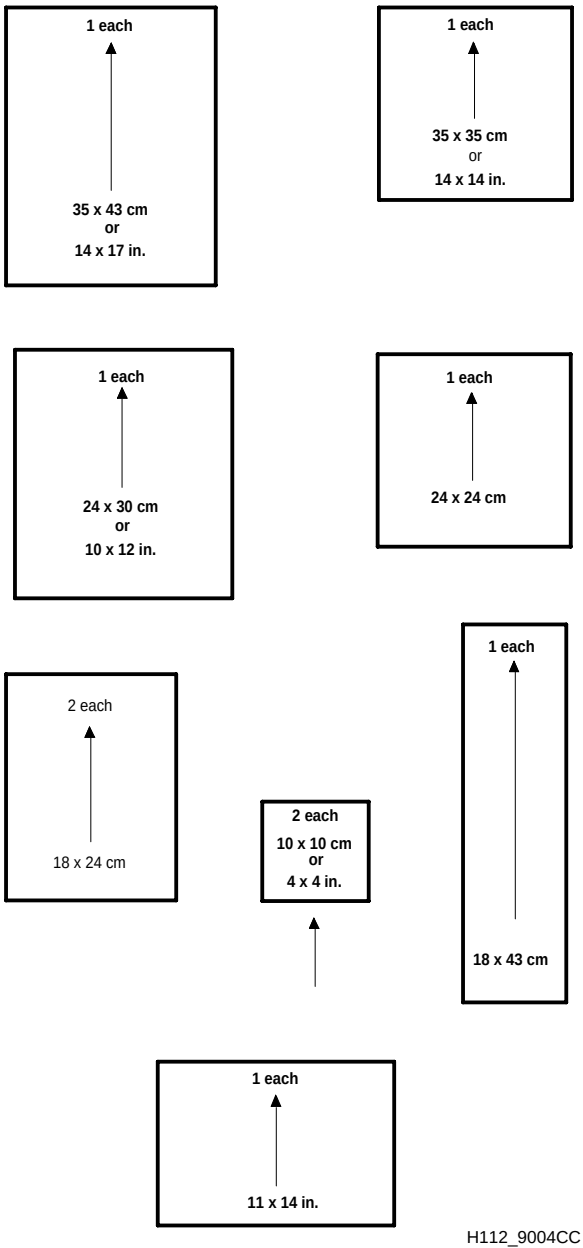
Feeding Sheet Film

Caution

- The *Kodak* M35M and M35A-M *X-Omat* PROCESSORS process only sheet film.
- Feeding other than sheet film may result in transport problems and damage to the components in the processing racks.

Figure 6 **Film Sizes and Direction of Film Feed**



[1] Press the Run/Standby Switch.

Note

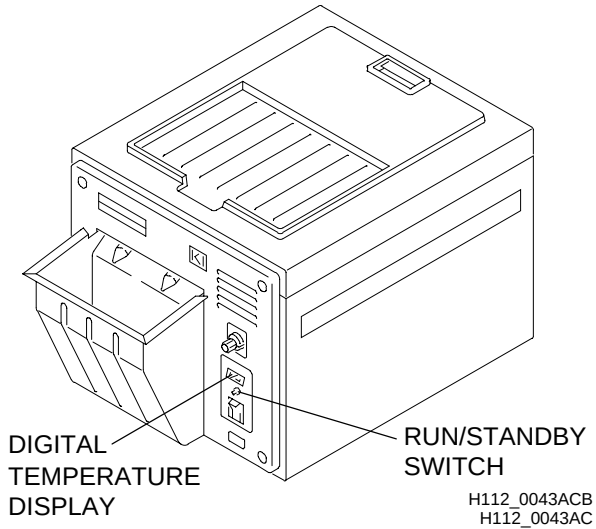
- The motors will begin to operate.
- After film removal, the PROCESSOR will automatically return to the standby mode.
- During operation, the Digital Temperature Display indicates when the developer is at the correct temperature for a film to be fed.

[2] Feed a sheet of film into the PROCESSOR. See Figure 6 for the correct sizes and direction to feed films into the PROCESSOR.

Note

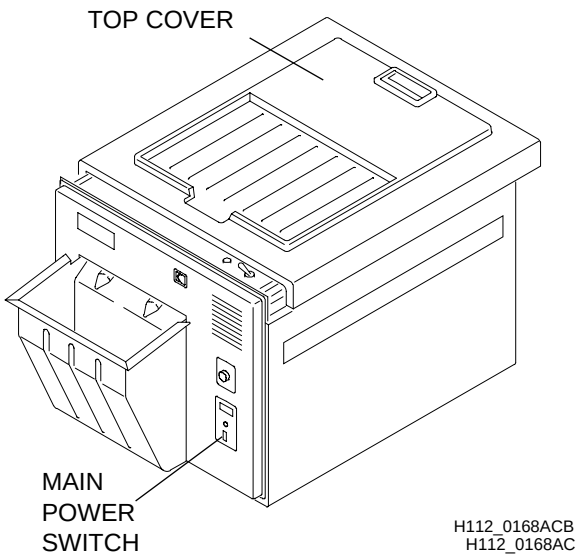
A film feed signal will sound 8 seconds after the trailing edge of a sheet of film has left the rollers of the Detector Crossover Assembly.

Figure 7 **Run/Standby Switch and Digital Temperature Display**



Shutdown

Figure 8 **PROCESSOR in Shutdown Mode**



[1] Turn off:

- Main Power Switch
- water supply

[2] Disconnect the main power.

[3] Remove:

- Top Cover
- Evaporation Covers

[4] Do the “Daily” cleanup procedure on Page 17.

[5] Install the Top Cover with a 5 cm (2 in.) opening.

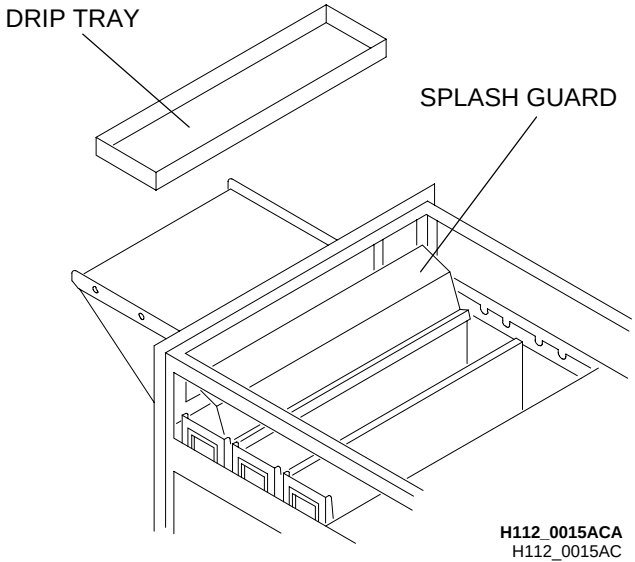
Important

Keep the Top Cover open overnight for venting purposes.

Section 3: Processing Solutions

Preparation

Figure 9 **Processing Tanks with the Splash Guard and the Drip Tray**



Caution

Avoid contamination of the processing solutions.

- To avoid spilling solutions from one tank into the next one, use the Splash Guard between the developer and fixer Tanks.
- Slowly install or remove the Racks.
- Use the Drip Tray when moving Racks to or from the PROCESSOR.

[1] Mix the volume of processing solution required in the correct Replenishment Tank. Use the instructions packed with the chemicals to mix the solution.

Important

Do not mix more than a 2-week supply for Replenishment Tanks with floatation lids.

[2] Remove the Crossover Assembly and the Rack from the Tank that is to be filled.

Draining the Tanks

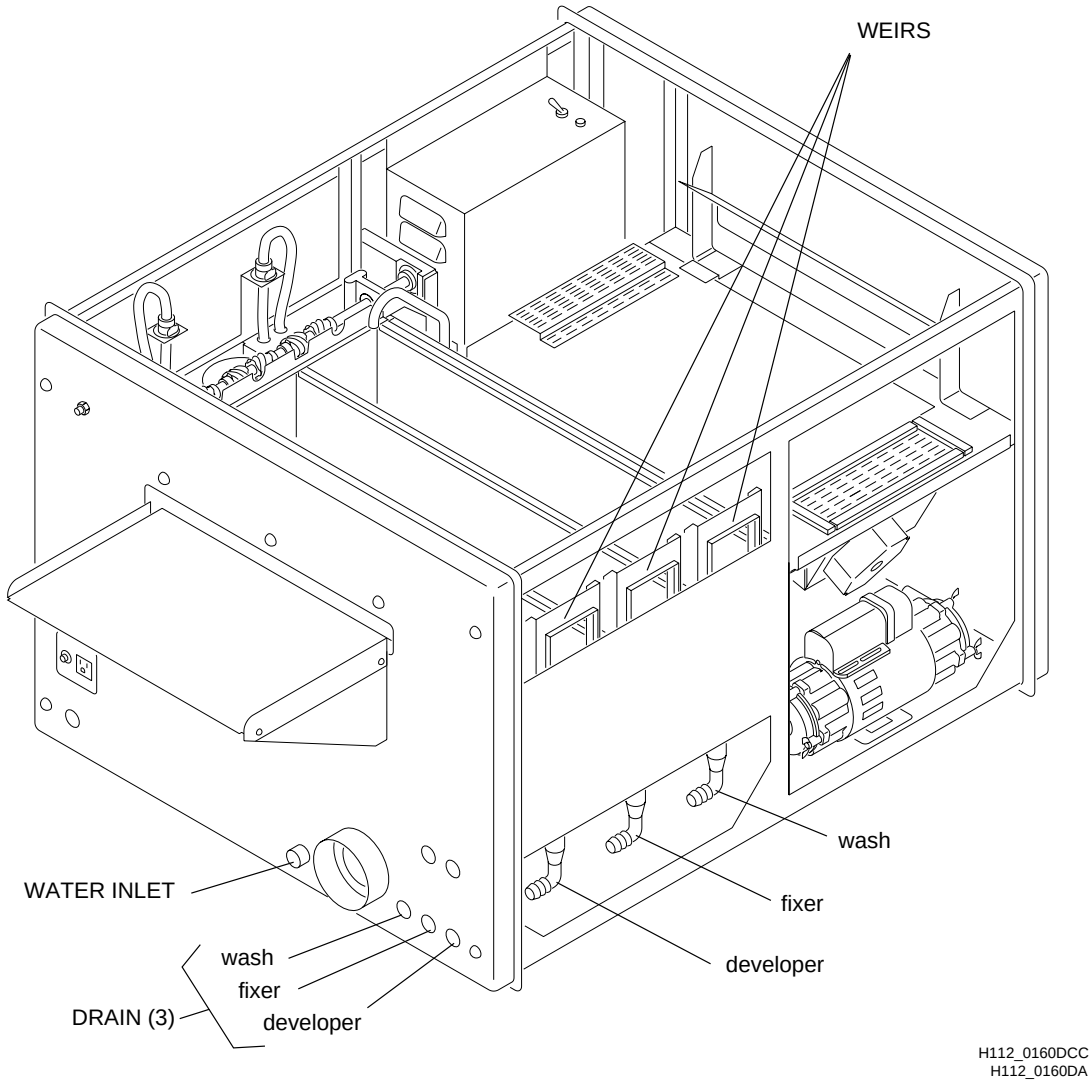
Warning

- Drains must be made of chemically resistant, non-corrosive material. Use PVC or the equivalent.
- The drain must have a minimum diameter of 7.6 cm (3 in.) and be free of obstruction.
- Drain service must comply with all local codes.

Caution

- Drain only one Tank at a time.
- Make certain that all drain materials and fluids comply with local, state, and federal regulations.

Figure 10 **Draining the Tanks**



[1] If the PROCESSOR has a Silver Recovery Unit connected, disconnect the fixer drain tube at the input side of the Silver Recovery Unit. See Figure 16 on Page 19.

[2] Lift the blue Weir from the Fixer Tank.

[3] Drain the fixer solution. Check the local codes for the correct disposal procedures.

[4] When the Fixer Tank is drained, install the blue Weir.

[5] Drain the Developer and Wash Tanks in the same way.

Important

Do not interchange the weirs.

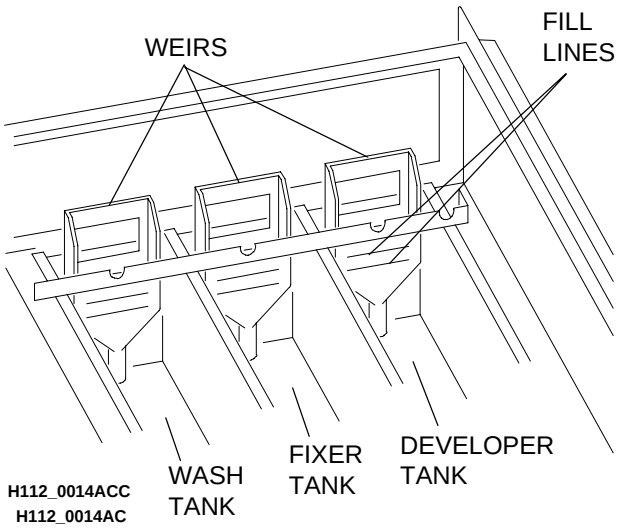
Weir	Tank
red	developer
blue	fixer
beige	wash

Filling the Tanks

Caution

- Mix the developer first, then the fixer.
- Wash the mixing equipment thoroughly between solutions to avoid contamination of the solutions.
- Rinse the mixing and filling equipment before each use.
- Relatively small amounts of fixer can seriously contaminate the developer. If solutions are changed in both Tanks, fill the Fixer Tank first so that any solution spilling into the Developer Tank can be thoroughly cleaned.
- Fill the Fixer Tank before filling the Developer Tank.

Figure 11 **Filling the Tanks**



[1] Install the Splash Guard between the Developer Tank and the Fixer Tank. See Figure 9 on Page 9.

[2] To fill the PROCESSOR Fixer Tank, add fixer replenisher until the solution is at the higher Fill Line on the blue Weir.

[3] Remove and rinse the Splash Guard.

[4] Install the Splash Guard over the Fixer Tank.

[5] To fill the PROCESSOR Developer Tank:

(a) Fill the Developer Tank half full of developer replenisher from the Replenishment Tank.

(b) Add *Kodak RP X-Omat* DEVELOPER STARTER according to the recommendations of the film manufacturer.

(c) Fill the Developer Tank to the higher Fill Line on the red Weir with developer replenisher.

[6] Remove the Splash Guard and rinse thoroughly.

[7] Install the Racks in the correct Tanks. Seat them firmly.

Note

The washer on the top of the drive side of the Developer Rack has a “D” on it. The Fixer Rack has an “F”. The Racks may also have red, blue, and white wire ties for easy identification.

- red for the Developer Rack
- blue for the Fixer Rack
- white for the Wash Rack

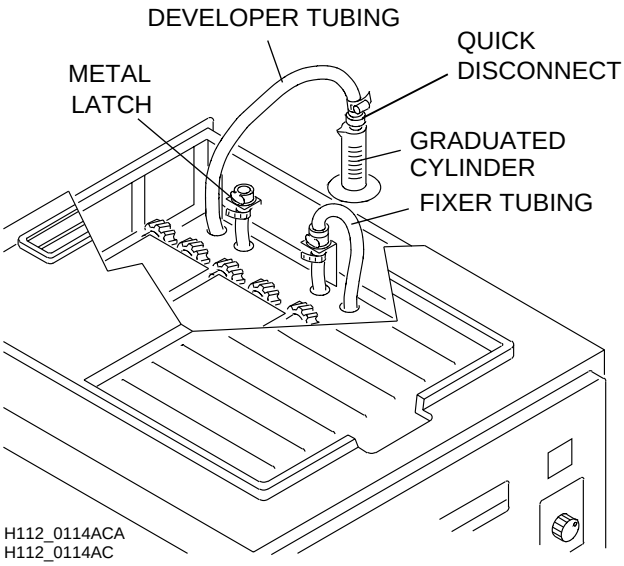
[8] Install the Crossover Assemblies, the Dryer Assembly, and the Evaporation Covers.

[9] Allow the developer to reach the operating temperature before processing any film.

Section 4: Replenishment

Checking the Replenishment Flow Rates

Figure 12 **Checking the Replenishment Flow Rates**



[1] Remove the Top Cover.

[2] Lift the Upper Roller of the Detector Crossover Assembly. See Figure 13.

[3] Check that the replenisher solutions flow freely through the tubing located along the drive side of the Racks.

[4] Disconnect the Developer Tubing by pressing the Metal Latch.

Note

The Developer Tubing may have a red wire tie on it for easy identification.

[5] Pull the Developer Tubing slightly and rotate it over the edge of the frame and into a Graduated Cylinder.

[6] Lift the Upper Roller of the Detector Crossover Assembly for the correct time. See the table on the next page.

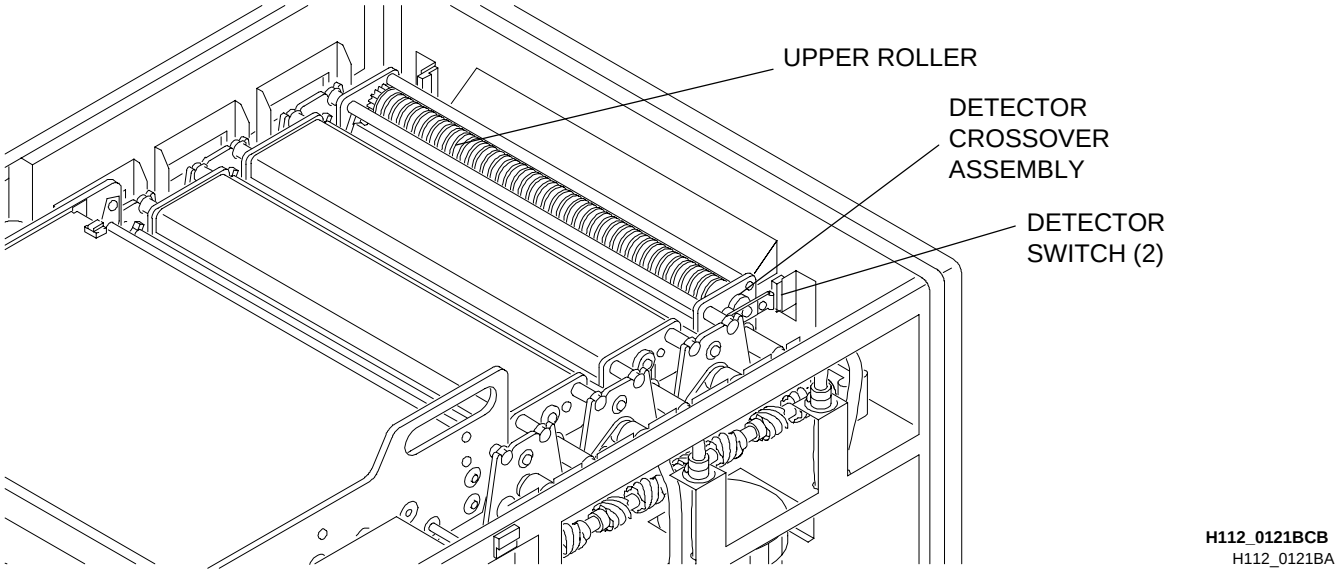
[7] When the Replenishment Pump stops, check that the amount of solution in the Graduated Cylinder is the same as in the table on Page 13. If the amount is not correct, contact qualified service personnel.

[8] Connect the Developer Tubing again by pushing it into the Metal Latch until the Developer Tubing locks in place.

[9] Check the fixer replenishment flow rate by doing Steps 3 - 8 with the Fixer Tubing.

[10] Install the Top Cover.

Figure 13 **Detector Crossover Assembly**



Film Size Processed	Use Condition	Average Amount of Film per 8 Hours of PROCESSOR Operation	Replenishment Flow Rate			
			mL per 35 cm (14 in.) 28 seconds of Film Travel		mL per 43 cm (17 in.) 34 seconds of Film Travel	
			Developer	Fixer	Developer	Fixer
Only 35 x 35 cm (14 x 14 in.) film	High Medium Low	90 sheets or more 31 - 89 sheets 30 sheets or less	50 65 80	70 85 100	—	—
Average size film intermix	High Medium Low	115 sheets or more 41 - 114 sheets 40 sheets or less	50 65 80	70 85 100	—	—
Only 35 x 43 cm (14 x 17 in.) film	High Medium Low	75 sheets or more 26 - 74 sheets 25 sheets or less	—	—	60 80 100	85 100 120

Film Size Processed	Use Condition	Average Amount of Film per 8 Hours of PROCESSOR Operation	Replenishment Flow Rate			
			mL per 24 cm 26 seconds of Film Travel in Standard Mode		mL per 24 cm 36 seconds of Film Travel in Extended Mode	
			Developer	Fixer	Developer	Fixer
Only 18 x 24 cm *Kodak Min-R* E FILM	High Medium Low	150 sheets or more 60 - 149 sheets 59 sheets or less	—	—	20 27 35	30 35 40
Only 18 x 24 cm *Kodak Min-R* M FILM	High Medium Low	150 sheets or more 60 - 149 sheets 59 sheets or less	30 30 35	30 35 40	—	—
Only 18 x 24 cm *Kodak Min-R* H FILM	High Medium Low	150 sheets or more 60 - 149 sheets 59 sheets or less	50 50 50	30 35 40	—	—
Only 18 x 24 cm *Kodak Min-R* 2000 FILM	High Medium Low	150 sheets or more 60 - 149 sheets 59 sheets or less	20 20 20	30 35 40	—	—

Note

- *Kodak* RP *X-Omat* CHEMICALS are recommended.
- Replenishment rates are based on one sheet of 18 x 24 cm film. If feeding two sheets, double the replenishment rates.
- For best results, feed film consistently.
- Slight sensitometric changes will occur as subsequent films are processed through a freshly started process. This is known as “seasoning” and is normal with any photographic process. Process control targets may have to be adjusted slightly to compensate.
- For 30 sheets of film or less per day, flooded replenishment is recommended.
- Film travel time includes feed time plus an approximate 3-second delay.

Section 5: Correcting Difficulties

Important

- Many film transport and sensitometric difficulties can be caused or aggravated by inadequate hardening of the emulsion due to under replenishment of the developer and fixer solution.
- Another cause of inadequate hardening of the emulsion may be deterioration of the developer replenisher because of age or storage at too high a temperature. Do not mix more than a 2-week supply of developer replenisher.

1	2	3	4	5	6	
						1. Transport Failure
						2. Surface Artifacts
						3. Abnormal Film Densities
						4. Wet Films
						5. Low Solution Levels
						6. Overlapping of Films
•					•	Film Feeding Error **Feed only single thicknesses of film. Feed the next film only after the film feed signal sounds. If there is no film feed signal, refer the difficulty to qualified service personnel.**
•	•	•	•			Feed only compatible films.
•					•	Check that all Racks and Crossovers are seated correctly.
•	•					Check that the surfaces of all the Rollers are clean and smooth, especially in the Developer Turnaround Assembly.
•			•			Check that the Dryer Air Tubes are in the correct positions.
	•		•			Remove any dirt from the Dryer Rollers and Air Tubes, especially the slots. Use a bottle brush and rinse with water.
	•	•	•	•		Check the replenishment volumes are correct.
	•					Adjust the Dryer temperature control setting to the **lowest** possible temperature that still allows good drying.
	•					Clean the Feed Shelf and Detector Rollers.
•	•				•	Clean any biological growth in the Wash Tank with a mild solution of chlorine bleach. Use 60 mL (2 fl oz) of bleach per 3.8 L (1 gallon) of water. Wipe the Tanks with a soft sponge.
•				•		Check that the Weirs are seated correctly. Check that the Tanks are full.

1. Transport Failure						
	2. Surface Artifacts					
		3. Abnormal Film Densities				
			4. Wet Films			
				5. Low Solution Levels		
					6. Overlapping of Films	
1	**2**	**3**	**4**	**5**	**6**	
•	•	•	•		•	Change any chemicals that were not mixed correctly, are exhausted, or are contaminated. Check that replenishment flow rates are correctly set. Fill the Replenishment Tanks if necessary. **Mix the developer replenishment in quantities not to exceed a 2-week supply.** **Always use a Splash Guard and Rack Drip Tray when lifting the Fixer Rack to prevent contaminating the developer.** **Mix chemicals as directed.**
•	•				•	Check that all Rollers are in place and positioned and rotating correctly.
•	•				•	Check that all Roller Gears, Sprockets, and Idlers are engaged.
•	•				•	Replace any Roller that has a broken or worn Gudgeons.
•	•				•	Replace any Bearings that do not allow the Turnaround Rollers to rotate correctly.
•	•					Check the tension on the Rack Chain. Check that the Rollers do not hesitate and that the Chain moves smoothly.
		•				With the PROCESSOR on, check for movement on the surface of the solutions. Movement indicates recirculation. If the solutions are not moving, contact qualified service personnel.
•	•					If the incoming wash water is dirty, clean the Rack and Tank thoroughly. Change the incoming water Filter. Make sure to use the correct water Filter.
			•			Check that the Dryer Air Exhaust is free from any obstruction.
•					•	Check that the Turnaround Assembly is adjusted correctly. Make sure that the Turnaround Assemblies are square with the Racks.
	•	•				Check the incoming water temperature. Temperature must be between 4.4˚C (40˚F) and 29.4˚C (85˚F).
		•				Check that the correct Bulb and Safelight Filter are in the Safelight and at the correct distance from the Feed Shelf and work surface.
•		•				Check that the Top Cover and Panels are tight on the PROCESSOR. Check that there are no leaks in the Lighttight Gasket.
•						10 x 10 cm films — feed films diagonally if they fail to transport reliably.
					•	Check the time delay. For all transport speeds, the buzzer should sound once the trailing edge of the film has advanced 75 mm (3 in.) into the PROCESSOR.
•	•	•			•	Check that the tank solution levels are at the overflow Weirs.
•	•					Adjust the Guide Shoes correctly. NOTE: Most often in the Developer Turnaround. Adjust the long edges of the guide shoes in the exit turnaround as close as possible to the rack roller above them.

1	2	3	4	5	6	
						1. Transport Failure
						2. Surface Artifacts
						3. Abnormal Film Densities
						4. Wet Films
						5. Low Solution Levels
						6. Overlapping of Films
				•		Check for solution in the Replenishment Tanks. Fill if necessary. NOTE: Mix developer replenisher in quantities not to exceed a 2-week supply.
		•				With a thermometer of known accuracy, check that the temperature of the developer is correct for the mode selected -- Standard or Extended. If adjustments are necessary, contact qualified service personnel. NOTE: Check the incoming water temperature. It must be a minimum of 4˚C (7˚F) lower than the desired developer temperature.
		•				Check that the correct Bulb is in the Safelight.
•						If the digital temperature display is blank and all noise ceases, including the Main Drive Motor and the Ventilation Fan, turn off the main power and the Main Power Switch on the PROCESSOR.
	•	•				Check that the problem film is compatible with the mode selected, Standard or Extended.

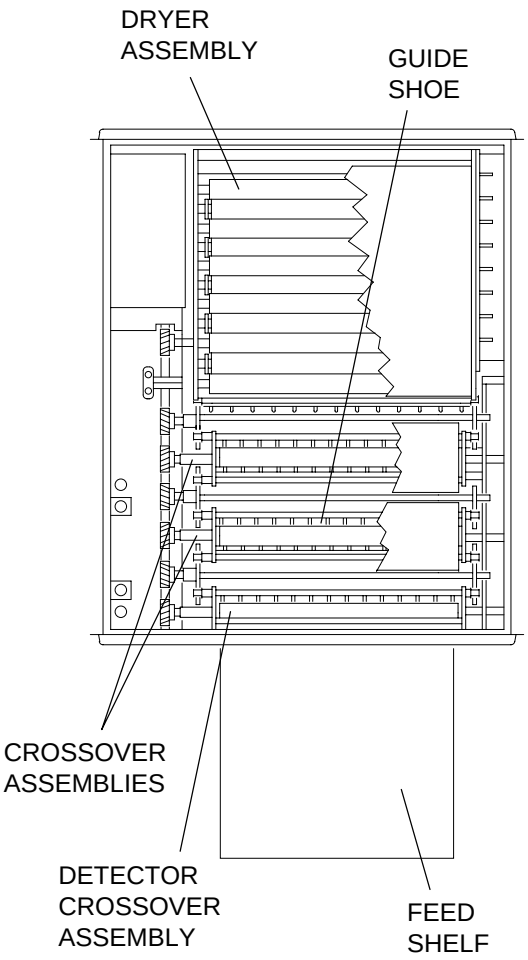
Section 6: Cleanup and Periodic Maintenance

Daily

Caution

When using the cleaners, wear rubber gloves and suitable eye protection. Both system cleaners can be used simultaneously, provided that safe-handling precautions are followed. Do not operate the PROCESSOR unless there is solution (processing solution, system cleaner, or water) in both the developer and fixer Tanks.

Figure 14 **Daily Cleaning of the Crossovers**



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Warning

Dangerous Voltage. Disconnect the main power before doing any of the following cleanup procedures.

Note

The best time to do daily cleanup is at shutdown.

[1] Turn off the Main Power Switch.

[2] Disconnect the main power.

[3] Turn off the water supply.

[4] Remove the Top Cover.

Caution

- When removing the Crossover Assemblies, be careful not to twist them out of square or disturb the Guide Shoes.
- Use a damp cloth or a synthetic sponge and warm water. Do not use any abrasive material on the Racks, Crossover Assemblies, or Squeegee Rollers.
- Do not rinse the Detector Crossover Assembly or the Dryer Assembly.

[5] Remove and rinse the Evaporation Covers.

[6] Remove and rinse the developer/fixer and fixer/wash Crossover Assemblies. Use warm water.

[7] Rotate and clean the Rollers with a soft brush and warm water.

[8] Dry the Rollers with a damp cloth or synthetic sponge.

[9] Wipe off all chemical deposits above the solution level in the processing section.

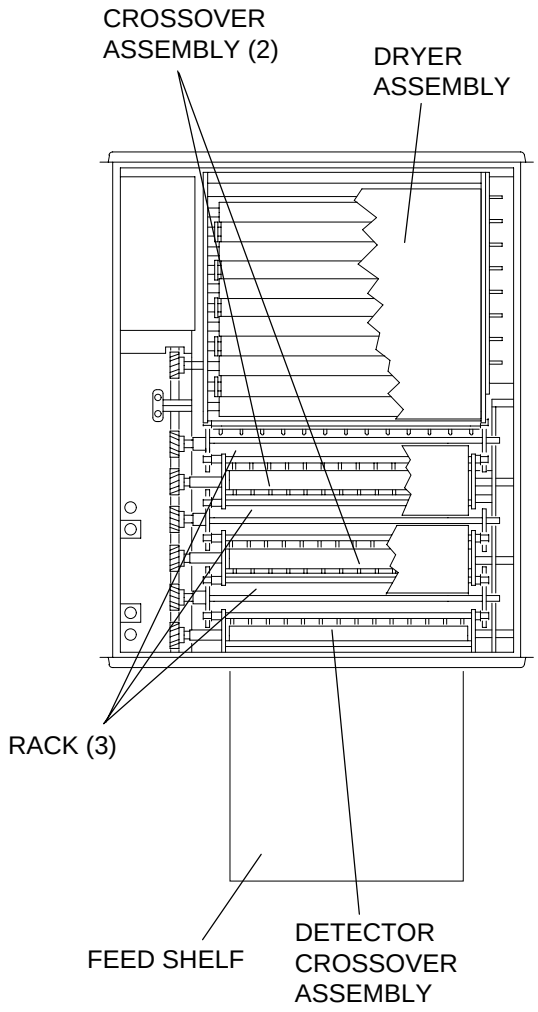
[10] Clean off debris or buildup from the Dryer area with a warm, damp sponge or cloth.

[11] Install the Crossover Assemblies and the Evaporation Covers.

[12] Install the Top Cover leaving a 5 cm (2 in.) gap. Keep the Top Cover open overnight for venting purposes.

Every Two Weeks

Figure 15 **Biweekly Cleaning of the Racks and Crossovers**



Warning

Dangerous Voltage. Disconnect the main power before doing any of the following cleanup procedures.

[1] Perform the Daily Maintenance. See Page 17.

[2] Remove the Dryer Assembly.

Caution

Do not allow water to drip onto the equipment.

[3] Clean any debris or buildup from the dryer area and the Dryer Assembly with a warm, damp sponge or cloth.

Caution

- Fixer will contaminate the developer. When removing the Rack Assemblies, use the Splash Guard between the developer and fixer Tanks.
- Use the Drip Tray when removing or installing the Racks. See Figure 9 on Page 9.
- Do not rinse the Detector Crossover Assembly or the Dryer Assembly.

[4] Remove the Racks.

[5] Rinse the Racks and wipe them with a cloth.

[6] Check the following:

(a) that the Chains move freely and are adjusted correctly

(b) that all the Rollers rotate correctly

(c) that the space between the Turnaround Side Plates and the Rack Side Plates is equal and that the Side Plates are parallel on both ends

[7] Check the operation of the Silver Recovery Unit, if installed.

[8] Check that no solution is flowing through the Bypass.

Note

If solution is present in the Bypass, the Silver Recovery Unit is not operating.

[9] Use *Kodak* SILVER ESTIMATING TEST PAPERS, CAT No. 196 5466, to check the silver content of the solution flowing into the drain.

[10] If the test shows more than 1 gram/litre of silver, install a new cartridge in the Silver Recovery Unit.

Figure 16 **Silver Recovery Unit**

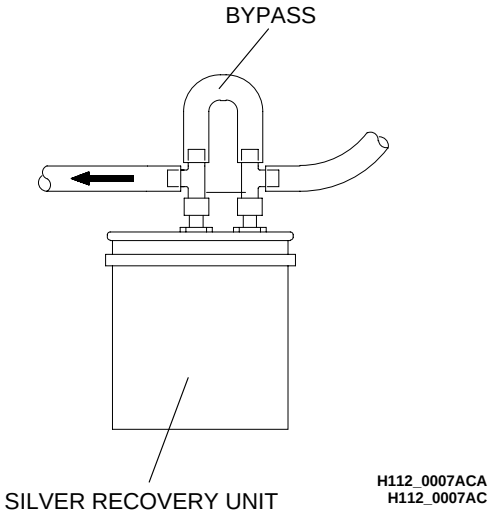


Figure 17 **Rack and Turnaround Assembly**

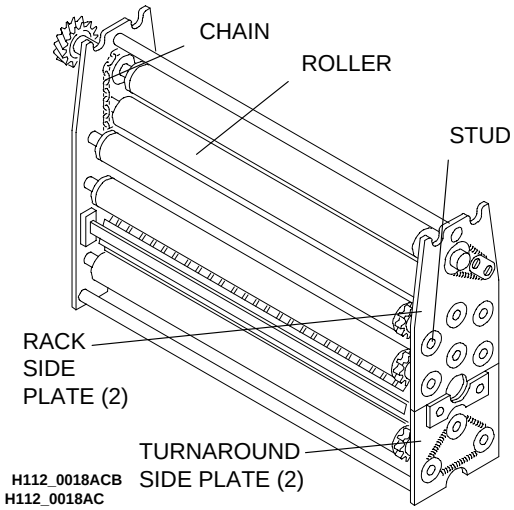
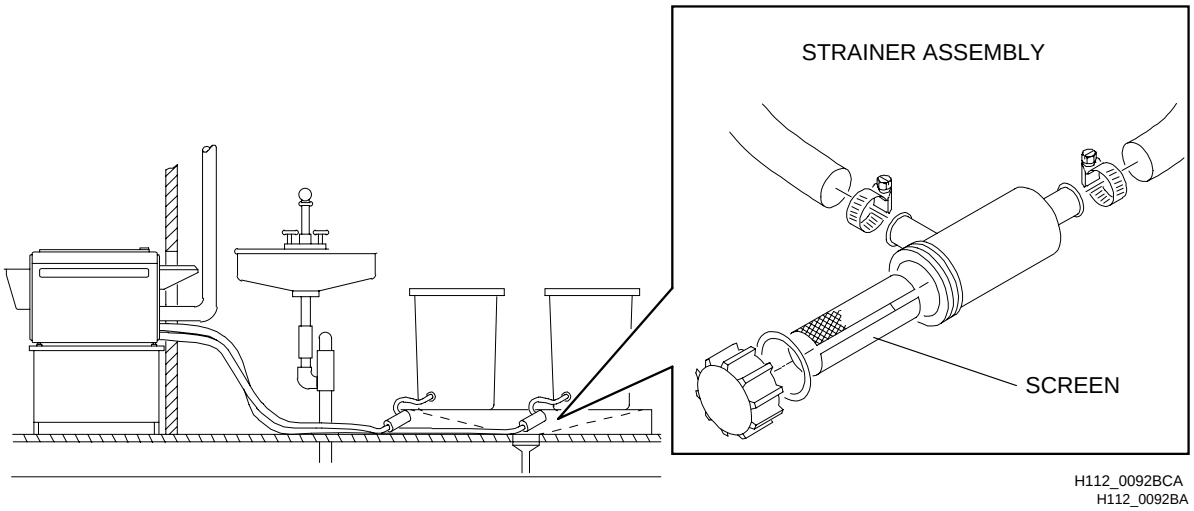


Figure 18 **Cleaning the Replenishment Strainer Assemblies**



[11] Clean the Replenishment Strainers when mixing new chemicals.

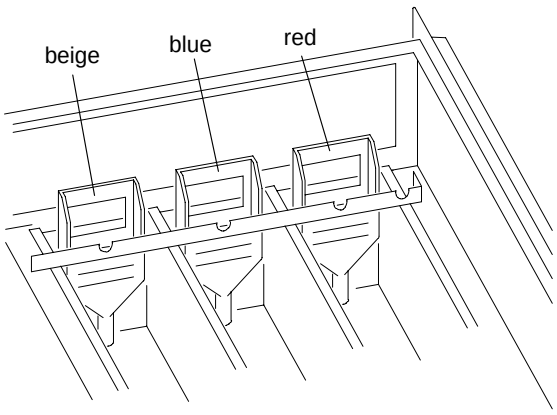
(a) Place pinch clamps on the tubing to stop the replenishment flow.

(b) Disassemble the Strainer Assemblies.

(c) Use a brush and warm water to clean the Strainer Assemblies and to remove dirt and chemical deposits from the Screens.

For Low-Volume Operations

Figure 19 **Weirs**



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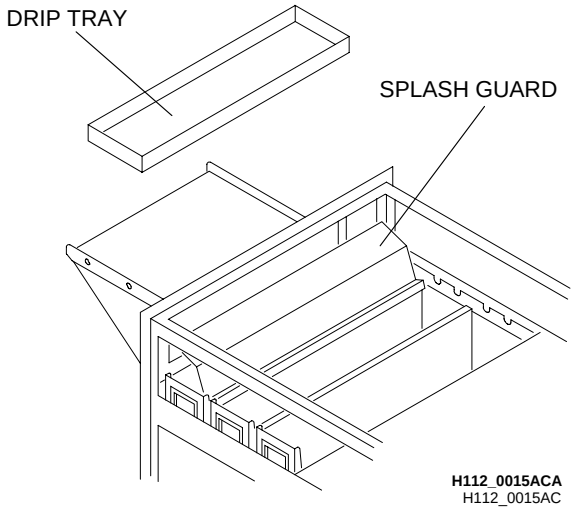
H112_0014AC

Figure 20 **Splash Guard and Drip Tray**



H112_0015ACA
H112_0015AC

[12] If the PROCESSOR handles a low volume, 30 sheets of film or less a day, do the following additional maintenance every 2 weeks:

Caution

If the PROCESSOR has a Silver Recovery Unit attached, drain only one Tank at a time. When draining the Fixer Tank, disconnect the Drain Tube at the input side of the Silver Recovery Unit, and direct it to the Floor Drain, before lifting the Weir.

(a) Remove the Weirs on the developer and fixer Tanks. See Figure 19.

(b) Drain the Tanks.

(c) Flush with clean water.

(d) Install the Weirs, red for developer and blue for fixer.

(e) To fill the PROCESSOR fixer Tank, add fixer replenisher until the solution is at the higher Fill Line on the blue Weir.

(f) To fill the PROCESSOR developer Tank:

1. Add 190 mL (6.5 fl oz) of *Kodak RP X-Omat* DEVELOPER STARTER according to the film manufacturer's recommendations.
2. Fill the developer Tank to the higher Fill Line on the red Weir with developer-replenisher solution.

Caution

When installing the Racks, use the Splash Guard. Lower the Racks slowly.

(g) Install the Racks, the Crossover Assemblies, and the Dryer Assembly. Check that each assembly seats firmly.

(h) Turn on the main power, the water, and the PROCESSOR.

(i) Check the solutions. If the surfaces of the solutions are moving, the recirculation pumps are operating.

(j) When the Digital Temperature Display shows the correct reading, use a thermometer of known accuracy and check the solution temperature in the developer Tank. The correct temperature is
Standard: 33.3˚C ±0.3˚C (92.0˚F ±0.5˚F) or Extended: 35˚C ±0.3˚C (95˚F ±0.5˚F)

For High-Volume Operations

[13] If the PROCESSOR handles a high volume, 30 sheets of film/day or more, do Steps (a) - (j) monthly.

Section 7: New Equipment Warranty

Warranty

Kodak warrants this *Kodak* M35M and M35A-M *X-Omat* PROCESSOR to function properly for 1 year from the date of initial installation, when installed within 1 year from the date of shipment.

Warranty Repair Coverage

If this equipment does not function properly during the warranty period, the dealer for *Kodak X-Omat* PROCESSOR who sold the equipment will provide or arrange for repair of the equipment during the dealer's normal working hours. Such repair service will include any necessary adjustments and/or replacement of parts necessary to maintain your equipment in good working order.

How to Obtain Service

Should equipment require service, refer to the sales contract for details on whom to call for service, or contact the dealer for *Kodak X-Omat* PROCESSOR who sold the equipment.

Limitations

Warranty service is limited to the contiguous United States, the island of Oahu in Hawaii, and certain areas of Alaska.

This warranty does not cover: circumstances beyond Kodak's control; misuse; abuse; any attachments, accessories, or alterations not marketed by Kodak (including service or parts to correct problems resulting from the use of such attachments, accessories or alterations); failure to follow Kodak's operating instructions; or supply items.

Kodak makes no other warranties, express, implied, or of merchantability for this equipment.

Repair without charge is Kodak's and the dealer's only obligation under this warranty.

- Kodak will not be responsible for any consequential or incidental damages resulting from the sale, use, or improper functioning of this equipment even if loss or damage is caused by the negligence or other fault of Kodak.
- Such damages for which Kodak will not be responsible, include, but are not limited to, loss of revenue or profit, downtime costs, loss of use of the equipment, cost of any substitute equipment, facilities or services or claims of your customers for such damages.

This limitation of liability will not apply to claims for injury to persons or damage to property caused by the sole negligence or fault of Kodak or by persons under its direction or control.

Publication History

Print Date	Pub No.	ECO No.	Affected Pages	File Name	Notes
Sept. 1992	981799	4014-318	All	3133cm_a.txt	Original Printing in CAPS. Called PCN 1 — This Operator Manual supersedes Publications No. 635984 and 636746. The previous operating instructions for the M35-M and M35A-M PROCESSORs were combined into one manual, and the information updated.
Sept. 1996	981799	4014-432	All	om3133_1_432.doc	Revised to reflect the new size Feed Shelf, update the replenishment flow rate table, and add warnings about drain construction. Converted to FrameBuilder.
Oct 1997	981799	4014-457	All	om_981799_457.doc	Deleted steps that required the customer to do procedures that only qualified service personnel should be doing.
09JUL98	981799	4014-473	p 24 & 25	om3133_1_09jul98.doc	For MDD compliance, deleted steps that required the customer to do procedures that only qualified service personnel should be doing.

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